

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. Contract ID Code Cost-Plus-Fixed-Fee		Page 1 Of 11	
2. Amendment/Modification No.  P00007		3. Effective Date  2001MAR15		4. Requisition/Purchase Req No.  SEE SCHEDULE		5. Project No. (If applicable)	
6. Issued By TACOM AMSTA-LC-CLEB-F BARBARA FIANTACO (810)574-7226 WARREN, MICHIGAN 48397-5000 HTTP://CONTRACTING.TACOM.ARMY.MIL EMAIL: FIANTACB@TACOM.ARMY.MIL		Code W56HZV		7. Administered By (If other than Item 6) DCM BIRMINGHAM BURGER PHILLIPS CENTER 1910 THIRD AVE. NORTH, RM 201 BIRMINGHAM, AL 35203-2376		Code S0101A	
				SCD C PAS NONE ADP PT HQ0338			
8. Name And Address Of Contractor (No., Street, City, County, State and Zip Code)  CAMBER CORPORATION 635 DISCOVERY DRIVE HUNTSVILLE, AL 35806  TYPE BUSINESS: Large Business Performing in U.S.				<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>		9A. Amendment Of Solicitation No.  9B. Dated (See Item 11)  10A. Modification Of Contract/Order No. DAAE07-00-D-M001 10B. Dated (See Item 13) 1999DEC22	
Code OMWW4		Facility Code					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing items 8 and 15, and returning _____ copies of the amendments: (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. Accounting And Appropriation Data (If required) NO CHANGE TO OBLIGATION DATA							
13. THIS ITEM ONLY APPLIES TO MODIFICATIONS OF CONTRACTS/ORDERS It Modifies The Contract/Order No. As Described In Item 14.							
KIND MOD CODE: C							
<input type="checkbox"/> A. This Change Order is Issued Pursuant To: The Changes Set Forth In Item 14 Are Made In The Contract/Order No. In Item 10A.							
<input type="checkbox"/> B. The Above Numbered Contract/Order Is Modified To Reflect The Administrative Changes (such as changes in paying office, appropriation data, etc.) Set Forth In Item 14, Pursuant To The Authority of FAR 43.103(b).							
<input checked="" type="checkbox"/> C. This Supplemental Agreement Is Entered Into Pursuant To Authority Of: Mutual Agreement of Parties							
<input type="checkbox"/> D. Other (Specify type of modification and authority)							
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return _____ copies to the Issuing Office.							
14. Description Of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)  SEE SECOND PAGE FOR DESCRIPTION							
Contract Expiration Date: 2001DEC31							
Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. Name And Title Of Signer (Type or print)				16A. Name And Title Of Contracting Officer (Type or print) STANLEY T. KULCZYCKI KULCZYCS@TACOM.ARMY.MIL (810)574-7004			
15B. Contractor/Offeror  (Signature of person authorized to sign)		15C. Date Signed		16B. United States Of America  By _____ /SIGNED/ (Signature of Contracting Officer)		16C. Date Signed	
NSN 7540-01-152-8070 PREVIOUS EDITIONS UNUSABLE				30-105-02		STANDARD FORM 30 (REV. 10-83) Prescribed by GSA FAR (48 CFR) 53.243	

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SECTION A - SUPPLEMENTAL INFORMATION

PROGRAM: OMNIBUS PROGRAM & ENGINEERING SUPPORT SERVICES

CONTRACT: DAAE07-00-D-M001

MODIFICATION NUMBER: P00007

PURPOSE OF MODIFICATION: Is to change paragraph C.1.1.1 of Section C, which will provide clarification of the contract scope of work paragraph that describes the government's PEO-GCSS organization. This change is in accordance with changes clause I-62 of this contract.

1. This action is Modification P00007 issued pursuant to Contract DAAE07-00-D-M001.
2. The purpose of this modification changes paragraph C.1.1.1 of Section C to read as follows:  
  
C.1.1.1 The PEO management system is a process which continually evolves. This Statement of Work (SOW) is intended to apply to PEO-GCSS and any successor organization(s) as well as any new program/project/product offices which are assigned or are anticipated to be assigned to PEO-GCSS or any successor. It also applies to program/project offices transferred from PEO-GCSS to other management organizations.
3. This modification changes Section C, paragraph C.1.1.1.
4. The contractor hereby waives and releases any request for additional funding for this Modification as a result of this change.
5. All other terms and conditions are unchanged.

\*\*\* END OF NARRATIVE A 007 \*\*\*

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SECTION C - DESCRIPTION/SPECIFICATIONS/WORK STATEMENT

SECTION C - DESCRIPTION/SPECIFICATIONS/WORK STATEMENT

C.1 PURPOSE AND SCOPE

C.1.1 The purpose of this effort is to provide the Program Executive Office for Ground Combat Support Systems (PEO-GCSS) and its assigned Project Managers/Assistant PEOs the support required for the successful execution of their weapon system acquisition mission. This support will augment existing resources with experience and capability which either is not available or exceeds in-house capabilities.

\*\*\*C.1.1.1 The PEO management system is a process which continually evolves. This Statement of Work (SOW) is intended to apply to PEO-GCSS and any successor organization(s) as well as any new program/project/product offices which are assigned or are anticipated to be assigned to PEO-GCSS or any successor. It also applies to program/project offices transferred from PEO-GCSS to other management organizations.

C.1.2 The objective of this effort is to provide the information and products necessary for the timely and cost effective management of PEO-GCSS weapon systems and componentry of all Acquisition Milestone and Phases and throughout the life cycle of the program to include fielding, deployment and disposal.

C.1.3 Services to be provided include support for the following disciplines: engineering/technical management, product assurance and test, logistics/maintenance, and program/project management.

C.2.0 GENERAL

C.2.1 All work under this effort shall be performed only to the extent authorized by discrete work directives/task orders, which have been issued by the Contracting Officer. The Contractor shall not begin work on any task until an order is issued.

C.2.2 In accomplishing the effort, the Contractor agrees not to duplicate or otherwise provide efforts, present or future, required to be performed under any current or past Government contracts with the Contractor.

C.2.3 The Contractor, as an independent Contractor, and not as an agent of the Government, for the level of effort specified, shall provide all necessary labor, materials, supplies, services, facilities, and equipment to perform the specific work and services required by individual work directives/task orders.

C.2.4 The Contractor shall have access to Government data for the accomplishment of work under this effort. The effort required to perform the tasks awarded will in no case constitute personal services.

C.2.5 The Contractor shall manage and control the resources necessary to ensure timely achievement of all of the requirements contract effort in the most economical manner possible. Frequent liaison and coordination shall be required with the PEO and its Project Managers located in Warren, MI and Picatinny, NJ.

C.2.5.1 The Contractor shall employ a management system which emphasizes the DoD Management Philosophy of continuous process improvement in providing the information and products thereunder.

C.2.6 The Contractor shall provide input for scope as requested by the Government to create work directives, schedule, hours, and cost projections.

C.2.6.1 The Contractor shall provide for Contracting Officer's Representative (COR) approval, a work directive package that includes scope, desired goals, schedule to perform the task, dollars and hours required to execute the total task.

C.3.0 MEETINGS AND MINUTES

C.3.1 The Contractor shall attend, participate in, and/or conduct meetings when requested by the Government in accordance with a task order, and in accordance with CDRL A002, Conference Minutes, CDRL A003, Conference Agenda, and CDRL A004, Presentation Material. Meetings may include SARDA Briefings, General Staff Meetings/Briefings and PEO/PM subject specific meetings as directed by individual task order/work directive.

C.3.2 The Contractor shall prepare an agenda & submit via email in accordance with CDRL A003, "Conference Agenda" as specified in an individual task order. The Contractor shall prepare and submit meeting minutes in their own format within 10 days of each meeting, in accordance with CDRL A002, "Conference Minutes".

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#### C.4.0 DOCUMENT PREPARATION

C.4.1 Report Preparation. Technical information will normally be supplied in report form. The Contractor shall provide technical information, analyses, and recommendations in the form of briefings, to include preparation of chart data. This data may include interdisciplinary assessment of issues, problems, schedules and alternatives. Subject matter may contain, but is not limited to, program management, acquisition and production planning, test planning, configuration management, safety and integrated logistics support. Special data shall be required from time to time for presentation to the PEO-GCSS, Tank-automotive and Armaments Command (TACOM) Group, Army Materiel Command (AMC), Department of Army (DA), or Department of Defense (DoD) in connection with milestone and special reviews. All briefing charts and reports shall be prepared and submitted in the quantities and per schedule established on each work directive, in accordance with CDRL A004, "Presentation Material".

C.4.2 Monthly Reports. The Contractor shall submit monthly reports in Contractor format in accordance with CDRL A001, "Performance and Cost Reports. These reports shall include individual work directive status, action items and responsible parties, outstanding issues or problems, tracking of subcontracted effort by percentage of total orders issued and funds expended and remaining. The reports will be the base briefing tool utilized at the In-Process Reviews (IPRs).

C.4.3 Other Reports, Documentation and Analyses. Other reports, documentation and analyses shall be prepared and delivered in accordance with the work directives and CDRL A005, "Technical Report/Study/Services". When required in accordance with a work directive, the Contractor shall develop tools, methodologies, statistical analysis techniques, system process models, scheduling systems, and the provision of other specialized functional support to assist in mission accomplishment.

C.4.3.1 When required by work directive, Contractor submitted reports shall be in draft format and include a series of alternatives for each recommended course of action. Supporting information detailing strong/weak points shall be included with each alternative. As specified by work directive, the Contractor shall review reports to reflect Government input.

C.4.3.2 The Contractor shall use computer software which is compatible with the hardware/software utilized by specified PEO-GCSS organizations.

#### C.5.0 SUPPORT TO REVIEW AND DECISION MILESTONES

C.5.1 The Contractor shall support Program Reviews throughout the material acquisition process to include preparation of graphic materials and development of draft program management documentation in accordance with CDRL A004, "Presentation Material", as directed by individual task order.

C.5.2 The contractor shall participate in work groups convened in conjunction with decision reviews and shall prepare milestone review packages, to include preparation of agendas, data books and briefings, to support scheduled reviews including type classification actions and post milestone review get-well plans.

C.5.3 When required, the Contractor will develop a data base containing milestone events, dates, and action office identification. Format and frequency of submission shall be as specified by work directive.

#### C.6.0 HORIZONTAL TECHNOLOGY INTEGRATION (HTI)

C.6.1 The purpose of the HTI Program is modernization of the battlefield through integration of common technology across weapon platforms. When instructed by specific work directive, the Contractor shall assist the Government in the evaluation of potential improvements with respect to system functionality and affordability. Potential improvements may involve survivability, mobility, lethality, sustainability, performance, operating and support cost reduction, and value engineering. Support will include Modernization Through Spares (MTS) and O & S Cost Reductions (OSCR), tradeoff analysis, cost benefit analysis or life cycle cost projections.

#### C.6.2 Emerging Technologies.

C.6.2.1 The Contractor, when specifically tasked by a discreet work directive/task order, shall closely monitor and assess relevant state of the art technological innovations (e.g., emerging technologies) for potential HTI program impacts and/or application. The Contractor shall inform the Government of any identified technological opportunities, to include recommendations for further analysis and suggested applications. This effort will include identification and analysis of any possible shared technology opportunities.

C.6.2.2 The Contractor, when specifically tasked by a work directive/task order, shall assess, evaluate and make recommendations on technology development opportunities for current and future ground systems. The Contractor shall

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be required to provide management expertise to the PEO/PM Offices toward implementing DoD/DA policy and guidance and for implementing programs, documents, and reports relating to technology development and applications.

C.6.2.3 The Contractor shall evaluate the producibility of the proposed HTI technologies and identify and evaluate producibility issues to assess their impact on economic feasibility of production.

#### C.6.3 Trade-Off Analyses

C.6.3.1 When required by work directive/task order, the Contractor shall perform Trade-Off analyses. The analysis may be for any system or effort within PEO-GCSS requiring this type of analysis.

#### C.7.0 PRODUCT ASSURANCE AND TEST SUPPORT

##### C.7.1 Test Plan

C.7.1.1 The Contractor shall prepare, coordinate inputs, submit draft project/program Test and Evaluation Master Plans (TEMps) and related documents for Government review, in accordance with CDRL A006, Test/Inspection Reports. The Contractor shall make all required revisions and maintain updated documents as directed by the requiring Project Office.

C.7.1.2 The Contractor shall attend and participate in Test Integration Work Group (TIWG) and Test Coordination Meetings. Support includes preparation of messages announcing the meeting, preparation of briefing charts and graphics for review, and preparation and submittal of meeting minutes as required by work directive, in accordance with CDRL A002 "Conference Minutes" and CDRL A004, "Presentation Material".

##### C.7.2 Test Support

C.7.2.1 The Contractor shall provide technical and administrative support at government/contractor test sites as specified by individual work directive/task order, which includes full time staffing of the PEO-GCSS test liaison office at Aberdeen Proving Ground. Support provided to the COR and Functional Technical Representatives (FTRs) will include daily monitoring of GFE office equipment, on-going PEO-GCSS testing, coordination activities, attend test meetings, coordinate visits/briefings, and provide daily test incidents/report summaries as required by work directive.

C.7.2.2 The Contractor shall collect all Test Incident Reports (TIRs) prepared by Government and Contractor test agencies, schedule, attend and participate in TIR Review and Close-out Meetings, and monitor progress and report status of failure analysis through close-out as required by work directives.

C.7.2.3 Maintain surveillance of test activities through on-site representation at test sites. Surveillance may include monitoring test progress, test and test support equipment condition, availability of repair parts and equipment repair status, and other similar test related activities. Attendance at meetings or briefings and/or surveillance reports shall be submitted as required by work directive.

#### C.8.0 RELIABILITY, AVAILABILITY, MAINTAINABILITY (RAM) PROGRAM SUPPORT

C.8.1 The Contractor shall support the RAM Program Management as specified by work directive/task order. Tasks may include, but are not limited to, analysis of data, review and critique of program plans, conference/meeting participation, audit of Contractor field failure analysis and corrective action program, and research/fact finding/alternative solutions for performance or reliability issues. Contractor will make final recommendations to the COR,

#### C.9.0 MATERIAL RELEASE SUPPORT

C.9.1 The Contractor shall prepare release packages in accordance with Army regulations, coordinate timely receipt of documentation, and present status briefings as required by work directive/task order.

#### C.10.0 QUALITY ASSURANCE SUPPORT

C.10.1 The Contractor shall provide quality assurance and quality engineering support as required by work directive/task order. Tasking may include but is not limited to development of quality requirements, review and analysis of armor weld procedures, development of fastener requirements, compliance analysis, monitoring tests, review of Contractor quality assurance systems and participation in quality audits when requested. Contractor will make final recommendations to the COR.

#### C.11.0 COST REPORTS/DOCUMENTS

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C.11.1 The Contractor shall support the preparation of various PEO Project System cost reports and analyses as required by work directive/task order, in accordance with CDRL A004, "Presentation Material". Effort includes coordination and consolidation of data, documentation of cost estimates, and preparation of necessary draft reports. Documentation shall be prepared in accordance with governing cost regulations/guidance.

C.11.2 The Contractor as required by work directive shall provide support for budget exercises and miscellaneous cost reports such as: Program Office Estimate (POE), Selected Acquisition Report (SAR), Defense Acquisition Executive Summary (DAES), Unit Cost Report (UCR), Cost Operational Effectiveness Analysis (COEA), Cost Analysis Requirements Document (CARD), review of Contractor cost/schedule performance, alternative strategy comparative cost analyses, and product improvement reports, etc. Typical tasks shall include data gathering and compilation of data, data analysis and presentation, and preparation of recommendations.

#### C.12.0 PRODUCTION PLANNING AND ANALYSES

C.12.1 The Contractor shall provide production planning and analysis support as required by work directives/task orders. Tasking may include, but is not limited to, development of alternative and multi-facility production schedules, review of Contractor progress/reporting against the producibility effort, review of Contractor production rates, reporting and tracking of defective Government Furnished Material (GFM), and monitoring production baseline delivery schedules.

#### C.13.0 LOGISTICS MANAGEMENT

##### C.13.1 Integrated Support Plan (ISP)

C.13.1.1 The Contractor shall prepare and submit an ISP for defined system configuration as required by work directives/task orders. The ISP shall be prepared in accordance with DA PAM 700-55. Tasking may include, but is not limited to, description of the overall Integrated Logistics Support (ILS) program including all ILS program requirements, tasks, and milestones for the current acquisition phase.

C.13.2 Logistics Documentation. The Contractor shall prepare other logistics acquisition documents as specified in DoD 5000 series regulations, following the applicable Army regulations/pamphlets as required by work directive/task order.

C.13.3 ILS Management Support. The Contractor shall provide other ILS management support as required by work directive/task order. Tasking may include, but is not limited to, representation at engineering design reviews; participation in diagnostics strategy meetings; development of ILS Assessments for the 17 elements of ILS and participation at ILSMT meetings in support of the system being acquired.

##### C.13.4 Integrated Logistics Support/MANPRINT Program

C.13.4.1 The Contractor shall be required to perform ILS/MANPRINT functions such as, but not limited to, those listed below. Specified tasks performed by the system Contractors shall be assessed/evaluated. The Contractor shall monitor, recommend, and integrate ILS/MANPRINT documents. GCSS program goals include:

- a. Minimize external test measurement and diagnostic equipment (TMDE).
- b. Maximize built-in Test and Test Equipment (BIT/BITE).
- c. Maximize forward replacement of components.
- d. Consideration of Operation and Support (O&S) Costs, cost savings, and ease of maintenance as critical elements in the design phase.
- e. System designs which emphasize commonality, modularity, and interchangeability of major components to simplify maintenance, logistics, and training burdens.
- f. Identify system, manpower, personnel, training and soldier survivability requirements.
- g. Support hands-on demos such as log demos or participate in technical manual validation/verification.
- h. Support or provide computer simulations to accomplish ILS/MANPRINT goals such as JACKMAN computer simulations.

##### C.13.5 DELETED

#### C.14.0 INTEGRATED DATA ENVIRONMENT (IDE) AND CONTINUOUS ACQUISITION AND LIFE-CYCLE SUPPORT (CALS)

C.14.1 The purpose of CALS is to enable and accelerate the integration of digital technical information for weapon system design, acquisition, manufacture and support. When instructed by specific work directive/task order, the Contractor shall provide support to accomplish goals set forth for development and implementation of CALS within the PEO GCSS and its interfacing associates (PEOs, PMs, MSCs, other commands, services and industry). The IDE represents the end state of CALS, in which all business and technical systems are highly visible and accessible to all

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participants in the life cycle processes execution for defense systems and material.

C.14.2 The Contractor shall provide planning, implementation and integration support for utilization of digital data and information in support of DoD and commercial policies and plans, when directed by Work directive. Planning/implementation focus will be enterprise-wide, to include TACOM, PMO's, other key systems/logistical agencies and Contractors.

C.14.3 Contractor shall support the development, coordination and implementation of CALS/IDE and related standards, specifications, implementation and migration plans to include as a minimum:

- Support for business process reengineering activities.
- Support for electronic commerce.
- Support for UNIX servers (DEC and Hewlett Packard) utilizing Oracle database, to include as a minimum; indexing, maintenance and system management and administrator functions.
- Functional technical support for the following software applications (as a minimum):
  - \*JCALS - Joint Computer aided Acquisition and Life Cycle Support
  - \*AcqPro - Acquisition Professional
  - \*MEARS - Multi user ECP Automated Review System
- Support for integrated database development and implementation.
- Support for PEO GCSS (CALS/IDE) related work groups.
- Participation in government and privately sponsored meetings/events concerning CALS/IDE related issues. \_

C.14.4 To ensure that contract deliverables are CALS compliant, deliverables will be in electronic or digital form, as computer data files, to be provided in a mutually agreeable means, format, and media. The Government retains the option to receive any or all contract deliverables in hardcopy format (printed pages) as specified by individual work directive/task order.

C.14.4.1 Means and Media. The Contractor will be permitted remote access to the TACOM-Wide Local Area Network (TWLAN) System via commercial lines for dial-in modem access. The Contractor will be able to download files to a LAN file server, or alternatively provide files on mutually agreeable magnetic media, e.g., 1.44 MB floppy disk/CD-ROM.

C.14.4.2 Format. The preferred format will be DOS based files from mutually agreeable commercially available off the shelf (COTS) software packages. The order of preference for COTS graphics programs is: Microsoft PowerPoint, TIFF format. The order of preference for COTS spreadsheet programs is: Microsoft Excel, Lotus 1-2-3. As COTS word processing files allow embedded graphics, the Government would prefer that graphics would be embedded into word processing files, whenever possible.

C.14.4.3 Hard Copy of Printed Output - The Contractor will provide no more than one hard copy of documents and make information available electronically. The hard copy output will be delivered on white bond or xerographic paper, primarily on industry standard paper sizes and paper weights. The preferred paper size will be 8.5 X 11 inches. The standard ink color will be black. The preferred paper weight will be 20 pound. Other paper sizes, means or media may be specified by the Government, as determined necessary for the type, quantity, or detail of information provided; e.g., detailed technical drawings.

#### C.15.0 SURVIVABILITY

C.15.1 The Contractor shall conduct analyses and studies of the GCSS systems relating to the overall Survivability and Countermeasures inherent to each design and Engineering Change Proposal (ECP), as requested. The Contractor shall also provide technical support, trade-off and cost studies, test planning support, computer analysis and simulation support, and develop recommended options for Government consideration. These support and analysis tasks shall include, but are not limited to, the following Survivability and Countermeasure areas:

- a. Directed Energy Threat Analysis
- b. Ballistic Protection Analysis
- c. Unplanned Stimuli Effects Analysis
- d. Compartment Level Vulnerability Analysis
- e. Optical, Radar/Millimeter Wave (MMW), Infrared, and Acoustic Signatures
- f. Vehicle and Component Ballistic Shock Analysis
- g. Nuclear Effects Survivability Analysis
- h. Automatic Fire Extinguishing Systems Analysis
- i. Computer, Communications and Electronics Analysis

#### C.16.0 LETHALITY

C.16.1 The Contractor shall be required, as specified by work directive/task order, to make assessment and

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recommendations on Lethality of GCSS systems. At a minimum, these assessments and recommendations will include the following areas:

- a. Weapon Systems
- b. Autoloaders
- c. Fire Control
- d. Stabilization Systems
- e. Ammunition Stowage

#### C.17.0 STANDARDIZATION

C.17.1 The Contractor shall prepare an overall Standardization Program Plan for selected systems/subsystems when specified by work directive/task order. The plan shall emphasize commonality of parts, components, and subcomponents. The plan shall conform to the Army's Implementation Plan (AIP).

C.17.2 For each task which involves the creation, review, or change of data, the Contractor shall identify references to MILSPCS/STDs and shall recommend changes to equivalent commercial specifications/standards in accordance with the goals of the AIP, TACOM's corresponding Master Action Plan (MAP), and Blueprint for Change.

#### C.18.0 CONFIGURATION MANAGEMENT (CM)

C.18.1 The GCSS Program's CM program shall be defined in a CM Plan prepared by the Contractor, when tasked by a discreet work directive/task order. The plan shall be in Contractor format using MIL-STD-973 as a guideline. The CM Plan will emphasize commonality in hardware/software, parts subcomponents, components, and documentation. The CM Plan will define procedures for establishing configuration baselines of the GCSS program. The CM Plan shall be prepared in Contractor format using DI-CMAN-80858 as a guideline. The plan shall be submitted to the COR for review and approval.

C.18.2 The Contractor shall provide recommendations and analyses for all aspects of Configuration Management to include control of configuration for logistics and maintenance for GCSS programs.

C.18.3 The Contractor shall use Army Regulation AR 70-37 and appropriate TACOM supplements (as specified by work directive) for CM guidance and direction to provide configuration control procedures for the GCSS program. The CM process shall be carefully tailored to the quality, size, scope, stage of life cycle, nature, and complexity of the Configuration Item (CI) involved, whether the CI is developed at Government expense, or privately developed and offered for Government use, and whether the CI is new or now in development, production, or operational inventory.

C.18.4 The contractor shall have the capability to manage/maintain TDPs, digitize drawings in a consistent electronic format, clean-up legacy data, and establish virtual databases.

#### C.19.0 MODELING AND SIMULATION (M&S)

C.19.1 The Contractor shall incorporate DA level guidance in the application of Government identified M&S capabilities, and provide value added program enhancements for GCSS programs. The Contractor shall support Government efforts to identify and validate Commercial Off the Shelf M&S applications and technologies for GCSS program enhancement. The Contractor shall perform detailed engineering analyses, using M&S, of GCSS ground combat systems, non-combat systems and major sub-systems to quantify the system/major sub-system capability to meet both technical and operational requirements.

C.19.2 The Contractor shall use GCSS system/sub-system development Contractor data, as well as other GFI for analyses. The Contractor shall, through the use of high fidelity models and simulations, quantify the technical and operational benefits and burdens of mobility, lethality, and survivability enhancements to GCSS ground combat and non-combat systems in terms of structural integrity, system level sustainability, and force level effectiveness.

C.19.3 M&S applications shall not be limited to stand alone capabilities, but shall provide for interactive simulation (man-in-the-loop) via the Defense Simulation Internet (DSI) network, in support of Advanced Warfighting Experiments (AWEs) and DA Battle Labs.

C.19.4 The Contractor shall assess, evaluate and make recommendations on modeling and simulation program policies, guidance, plans and reports. The Contractor shall support government efforts towards defining and implementing policy, guidance and program management documents, which include modeling and simulation related support plans.

C.19.5 Provide programming, modeling and simulation services to facilitate the optimization of fleet investment decisions and documentation in light of Army and DoD Warfighting needs.

#### C.20.0 NUCLEAR, BIOLOGICAL, AND CHEMICAL (NBC) ANALYSIS



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C.20.1 The Contractor shall assess, evaluate, and make recommendations on the system/platform designs compliance with Nuclear (residual), Biological, and Chemical protection/detection, contamination, survivability, and life support requirements, as directed by discrete work directive. This effort shall include, but not be limited to:

- a. Test planning and test monitoring involving Chemical/Biological (CB) warfare agent simulants and surety materials.
- b. CB test review, documentation, procedures and data analysis.
- c. Assessment of system configuration (design) for crew NBC Protection/Detection, life support and for NBC contamination survivability.
- d. Trade-off determination and analysis of system configurations.
- e. Draft preparation of program and technical presentations and reports.
- f. Recommendations regarding program coordination and program management.
- g. Assessment of software interface and compliance with configured Contractor system NBC items.

#### C.21.0 ENVIRONMENTAL PROGRAM MANAGEMENT

C.21.1 The Contractor shall provide support as required to assist the PMs and the PEO in order to accomplish an effective, proactive and compliant Environmental Program. The areas requiring support include, but not limited to, reviews/studies/analyses/assessments/reports which ultimately enable the government to achieve compliance with applicable DoD/Federal/State/Local Environmental, Health and Safety laws, rules, regulations and requirements.

#### C.22.0 DIGITIZATION

C.22.1 The Contractor shall be required to make assessments and recommendations and provide engineering support for implementing Digitization into GCSS systems and their associated battalion and below assets. As a minimum, these assessment and recommendations will include the following functional areas:

- a. System Architectures and Associated Elements.
- b. Communications and Interoperability
- c. Integration of Digitization with HTI Technologies

#### C.23.0 ACQUISITION STREAMLINING

C.23.1 When tasked by a specific work directive, the Contractor shall support PEO-GCSS/PM activities associated with the various Governmental initiatives which are within the broad category of acquisition streamlining. Typical Contractor tasks include reviewing, assessing, recommending actions, preparing draft plans and implementation strategies, determining potential savings/cost avoidances, assessing organization structure, and other related activities. A list of typical acquisition streamlining initiatives includes, but is not limited to:

- a. Use of performance specifications
- b. Single Process Initiatives (SPI)
- c. Modernization Through Spares (MTS)
- d. Life Cycle Management
- e. Cost as an Independent Variable (CAIV)
- f. Army Implementation Plan (AIP)
- g. Integrated Product & Process Development (IPPD)
- h. Diminishing Manufacturing Sources & Material Shortages (DMSMS)
- i. Operating & Support Cost Reduction (OSCR)
- j. Paperless Operations

#### C.24.0 INFORMATION MANAGEMENT

C.24.1 The Contractor shall support the government in the management of software related policy, guidance, plans and reports. The Contractor shall be required to make assessments, recommendations and provide technical support for implementing software management programs, documents and reports in the following functional areas which include:

- a. Software metrics
- b. Software reuse
- c. Software engineering
- d. Domain analysis and management
- e. Information technology

C.24.2 Research pertinent programmatic, strategic and technical information databases throughout the U.S. Army and DoD services and develop PM-unique databases in support to existing and planned system acquisition programs, reduction of program life cycle costs, and logistical support management.

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C.24.3 Provide support in data/records management and database architectural designing, development, population, implementation and usage in support to program acquisition management, fleet modernization, and fleet fielding activities.

C.24.4 Provide support and consultation regarding the use of existing information technology resources and the expansion/upgrade of such resources to effectively accomplish mission requirements.

C.24.5 Support ETM/IETM, JEDMICS, Web pages.

- a. Support for business process reengineering activities.
- b. Support for electronic commerce.
- c. Support for UNIX servers (DEC and Hewlett Packard) utilizing Oracle database, to include as a minimum indexing, maintenance and system management and administrator functions.

C.25.0 OFFICE AUTOMATION/NETWORK SUPPORT.

C.25.1 The Contractor shall provide support in the areas of office automation, network administration, and computer systems administration. Tasks may include: troubleshooting network access problems (including both hardware and software); developing and implementing new or augmented network features and software programs; overseeing/coordinating with DOIM and/or the TACOM Wide Local Area Network (TWLAN) contractor with regard to service calls, LAN drops, wiring, etc.; perform maintenance on file servers and files to ensure efficient operation of the network and all hardware/software; setting up new computers, modifying existing computers (installing boards, cards, mice, printers, etc.), and installing software; providing expert advice/assistance to the Government users on TWLAN or stand-alone software programs, including Novell 4.X, Windows, Microsoft Office, Lotus, WordPerfect, etc., or any programs that are selected for use by the Government; and perform administrative duties related to network/systems management, including attendance at meetings or conferences, and maintaining a database of hardware/software products. Collocation in the Government offices by the Contractor support personnel may be required.

C.26.0 SECURITY

C.26.1 To preserve National Security interests, the contractor shall ensure that all aspects of the contract and work performed under specific work directives are evaluated for conformance with security procedures and standards. The contractor shall evaluate all products for security implications and prepare appropriate security documents and plans.

C.26.2 The contractor shall support the Government in the management of special security activities for designated systems throughout their developmental life cycles.

C.26.2.1 The contractor shall have available to him, or have the ability to obtain, the resources and personnel capable of reviewing, analyzing and processing classified information up to the TOP SECRET level.

C.26.2.2 The contractor shall support the Government in ensuring that all aspects of security are maintained on developmental systems during all activities including, but not limited to: field tests and evaluations, test site surveys, relevant test data maintenance and reductions and limited test site security and test site administration activities.

C.26.2.3 The contractor shall provide security support to the Government in the preparation of all program documents, reports, and briefing materials.

C.26.3 The contractor shall NOT store, maintain, review or process classified materials at his facility; all work of a SECRET, TOP SECRET (TS), SPECIAL ACCESS PROGRAM (SAP), or SENSITIVE COMPARTMENTED INFORMATION (SCI) nature will be performed either at a Government location, or at the facility of a third party with the appropriate clearance. The Secure Environment Contracting (SEC) Procuring Contract Officer for TS, SAP and SCI Task Orders under this contract is located in the SEC Cell at the U.S. Army Tank-automotive and Armaments Command, AMSTA-CM-CLGA, Warren, Michigan. Any contractual issue that needs to address TS, SAP or SCI information shall only be communicated to the SEC Procuring Contracting Officer, as he has the necessary clearances. If the contractor has any questions regarding the clearance of an individual, he must verify with the program security officer or the SEC Procurement Contracting Officer that the individual has the appropriate clearances.

C.26.4 Individual Task Orders/Work Directives specifying classified work will require the issuance of a DD Form 254, Contract Security Classification Specification, by the Contracting Officer. Contractor performance in support of Task Orders/Work directives requiring classified effort shall be in conformance with said DD Form 254.

C.27.0 ADMINISTRATIVE SUPPORT.

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C.27.1 The Contractor shall provide administrative support as directed by work directive/task order. Tasks may include: preparation of briefing charts; preparation of meeting minutes; coordination and planning for Government activities, including meeting, trips, etc.; developing and implementing database programs to track and report on activities/projects required by the Government to support ongoing program activities. These tasks require a working knowledge of software programs, such as MS Office, Lotus Smartsuite, and Windows, or equivalent/successor programs.

C.27.2 The On-site Support for Contractor Personnel - For certain tasks, as set forth in individual Work Directives, contractor personnel will be required to be located on Government premises. In those situations, the Government will be responsible for providing office space, computers and IT access, telephone, and supplies necessary for the Contractor to perform the requirements of the task. Computer resources remain the property of the Government and under the responsibility of the Government hand receipt holder. The contractor shall charge the Government "on-site" overhead rates, as set forth in its proposal, for such on-site personnel.

\*\*\* END OF NARRATIVE C 002 \*\*\*